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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 9 HELENA INDEPENDENT-RECORD HELENA, MONTANA **SEPTEMBER, 1964**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of September 1964, averaged 84,216 barrels daily, an increase of 332 barrels from the average August production of 83,884.

The nine refineries in state processed 92,168 barrels of crude oil daily for the month of September, 1964, an increase of 2,619 barrel from the 89,549 barrels processed daily during the month of August, 1964.

During September, 35 wells were completed, 12 oil, 0 gas well and 23 dry holes.

During September, the commission issued 45 permits to drill new wells, an increase of 8 from 37 permits issued during August.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF SEPTEMBER, 1964

IN STORAGE SEPTEMBER 1st:	
By Producers	342,249
By Transporters	1,125,520
By Refiners	739,171
TOTAL STORAGE	2,206,940
Produced in Montana During Month	2,526,480
Imported During Month	1,601,976
TOTALS	6,335,396
DISPOSITION:	
Refined in Montana	2,765,057
Exported	1,434,127
Used for Fuel or Lost	14,398
TOTAL	4,213,582
IN STORAGE SEPTEMBER 31st:	
By Producers	333,591
By Transporters	1,106,084
By Refiners	682,139
TOTAL STORAGE	2,121,814

NATURAL GAS WITHDRAWALS IN MONTANA

Month of September, 1964

Field	M Cu. Ft.
Bears Den	1,645
Big Coulee	58,429
Bowdoin	89,258
Bowes	63,823
Cabin Creek	90,697
Cedar Creek	145,257
Cut Bank (Including Reagan	501,884
Devon	3,891
Dry Creek	42,628
Elk Basin	30,800
Flat Coulee	1,397
Gold Butte	6,391
Golden Dome	27
Grandview	3,461
Hardin	5,672
Keith Block	82,798
Kevin Sunburst	53,204
Middle Butte	10,504
Mount Lili	34,852
Pine	53,538
Plevna	14,445
Utopia	0
Whitlash	112,233
Miscellaneuos	39,261
TOTAL	1,446,095

Total withdrawals for September, 1963 were 1,348,390

MONTANA SCHOOL OF MINES LIBRARY
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PRODUCER'S REPORT—MONTH OF SEPTEMBER, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Produced Oil	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	407	2,000		2,000		407
5	Bannatyne	9	930	1,531		1,318		1,143
1	Bascom	1	383	199	389			193
6	Bear's Den	6	1,210	2,462		2,191		1,481
1	Belfry	1	195	371		403		163
1	Benrud	1	621	3,995	4,074			542
1	Benrud East	1	691	14,948	14,791			848
1	Benrud Northeast	1		7,505	6,333			1,172
9	Big Wall	25	2,237	19,121	18,976	148		2,234
6	Blackfoot	10	2,226	5,742	2,870	3,956		1,142
5	Border	7	44	1,100		1,051		93
1	Bowes	63	8,754	14,711	16,781			6,684
3	Bradley	3	1,166	1,135	1,657			644
1	Brady	3		355	355			
1	Bredette North	1	200	132				332
2	Cabin Creek	108	6,507	249,158	248,757			6,908
14	Cat Creek	89	2,753	19,529	19,519			2,763
1	Clark's Fork	1	159	183		264		78
1	Clark's Fork North	1	1,578	687		1,009		1,256
3	Conrad South	5	742	1,136	1,043		98	737
1	Cupton	1	1,334	1,025		1,813		546
163	Cut Bank	1,077	109,342	158,853	159,966	4,106		104,123
3	Deer Creek	5	2,365	5,211	5,416			2,160
1	Delphia	1	316	39		196		159
2	Devil's Basin	2	682	155		339		498
1	Dry Creek	1	709	280				989
19	Dwyer	20	9,881	48,238	47,960		4	10,155
9	Elk Basin	63	4,325	290,272	290,281			4,316
1	Elk Basin Northwest	1	833	2,198		1,850		1,181
2	Fertile Prairie	2	642	2,829	764	2,138		569
5	Flat Coulee	25	4,267	37,198	36,258			5,207
3	Flat Lake	3	1,635	4,000		4,000		1,635
2	Frannie	2		1,435	1,435			
16	Fred & George Creek	21	2,463	111,431	112,324		174	1,396
1	Gage	2	76	207	207			76
4	Gas City	28	5,366	76,007	70,484	2,772		8,117
6	Glendive	11	859	27,928	8,776	18,927		1,084
10	Goose Lake	11	5,924	31,419		28,214		9,129
7	Graben Coulee	11	3,371	6,233	5,004	773		3,827
4	Gypsy Basin	5	3,861	1,468	2,115		136	3,078
1	Hibbard	1	219	509		586		142
9	Ivanhoe	12	3,295	22,317	21,668		60	3,884
8	Keg Coulee	21	4,861	30,372	29,630		11	5,592
139	Kevin Sunburst	784	15,366	39,491	39,739		5	15,113
2	Little Beaver	24	3,136	26,729	25,567	336		3,962
3	Little Beaver East	19	2,805	21,555	21,493			2,867
2	Lodge Grass	2	1,251	3,590		4,085	29	727
2	Lone Tree	3	352	4,461		3,081		1,732
25	Lookout Butte	69	1,894	135,247	133,648			3,493
	Mackay Dome		770					770
2	Melstone	5	776	2,783	2,644			915
6	Monarch	14	2,663	14,349	14,729			2,283
4	Mosser	4		600		600		
1	Musselshell	1	352	59		191		220
7	Outlook	12	6,105	33,835	34,757			5,183
2	Outlook South	2	1,485	1,856	1,727			1,614
64	Pennel	109	4,249	222,568	221,733		396	4,688
4	Pine	130	12,682	310,545	313,408			9,819
6	Pole Creek	9	1,065	3,976		3,255		1,786
77	Pondera	350	9,460	34,766	36,809			7,417
1	Pondera Coulee	1		171	171			
5	Poplar East	81	14,093	105,330	107,632		31	11,760
4	Poplar Northwest	5	1,095	1,862	1,250			1,707
6	Ragged Point	18	2,957	7,383	7,772			2,568
4	Reagan	44	3,212	17,322	18,499			2,035
1	Red Creek	21	3,225	37,620	36,694			4,151
1	Redstone	1	510	940	1,126			324
1	Repeat	1	1,122	2,065		2,469		718
6	Richey	9	2,479	3,324	2,604			3,199
6	Richey Southwest	7	3,035	14,496		14 397		3,134
4	Sand Creek	5		7,700	7,700			
4	Sidney-Brorson	4	3,396	2,701		3,399	102	2,596
2	Snyder	4	1,429	534				1,963
5	Soap Creek	9	4,985	4,835		6,569		3,251
3	Spring Lake	4	5,017	11,588		13,728		2,877
2	Stensvad	23	5,033	34,217	34,858			4,392
28	Sumatra	91	11,514	102,036	102,792			10,758
5	Tule Creek	7	1,783	43,904	43,713			1,974
1	Tule Creek South	1	407	3,320		3,018	53	656
2	Vida	2	1,071	2,743		3,061		753
2	Volt	2	782	5,056	4,277			1,561
14	Whitlash	32	5,463	16,450	10,709	5,120		6,084
2	Whitlash West	2	140	618	618			140
2	Wills Creek South	2	1,971	10,441	10,423			1,989
8	Wolf Springs	14	4,395	19,494	20,452			3,437
4	Woodrow	6	720	5,452	5,575			597
1	Wildcat, Dawson Cty	1		1,543		589		954
1	Wildcat, Liberty Cty	1	382	158				540
1	Wildcat, Roosevelt Cty	1	193	1,149		1,141		201
814		3,602	342,249	2,526,486	2,390,952	143,093	1,099	333,591

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
First Quarter, 1964	7,680,757	84,404	7,661,001	84,187
Second Quarter, 1964	7,628,879	83,833	7,643,945	83,999
July, 1964	2,599,071	83,841	2,602,669	83,957
August, 1964	2,600,431	83,884	2,599,179	83,844
September, 1964	2,526,480	84,216	2,534,045	84,468

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
March, 1964	365,053	1,049,139	688,993	2,103,185
June, 1964	346,150	1,115,235	788,338	2,249,723
July, 1964	341,998	1,024,699	760,181	2,126,878
August, 1964	342,249	1,125,520	739,171	2,206,940
September, 1964	333,591	1,106,084	682,139	2,121,184

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF SEPTEMBER, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,000				2,000		
BANNATYNE—Truck			1,318			1,318			
BEAR'S DEN—Truck			2,191			2,191			
BELFRY—Truck			403				403		
BIG WALL—Glacier Pipeline Co.		18,977				18,977			
McWood Corp.			148			148			
		18,977	148			19,125			
BLACKFOOT—Union Oil Co.		2,870				2,870			
Camerland Cardinal Corp.			3,956					3,956	
		2,870	3,956			2,870		3,956	
BORDER—Truck			1,051			1,051			
BOWES—Texaco, Inc.		16,781				16,781			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	295,758	670,876	48,931	706,467			1,370,983		351,049
Shell Pipeline Co.	4,280	363,032		1,037	94			362,934	5,321
	300,038	1,033,908	48,931	707,504	94		1,370,983	362,934	356,370
CAT CREEK									
Glacier Pipeline Co.		17,211				17,211			
CLARK'S FORK—Truck			1,273				1,273		
CUT BANK									
Darling Gathering System, Inc.	2,241	5,977						6,179	2,039
Glacier Pipeline Co.			4,879	576,276		581,155			
Phillips Petroleum Co.	52,914	49,870		57,797	847	26,318		95,192	38,224
Texas Pipeline Co.	23,812	36,210		18,189	573	6,169		56,983	14,486
Union Oil Co.	196,702	61,559		19,211	70	98,908		28,722	149,772
Western Oil Transportation Co.	36,646	27,492		47,378	564			77,110	33,842
	312,315	181,108	4,879	718,851	2,054	712,550		264,186	238,363
DELPHIA—Truck			196			196			
DEVIL'S BASIN—Truck			339				339		
DWYER—Hunt Petroleum Corp.		46,333					46,333		
ELK BASIN—									
Marathon Pipeline Co.		289,465				289,465			
ELK BASIN NORTHWEST—Truck			1,850				1,850		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	36,233						36,233	3,000
FLAT LAKE—Truck			4,000				4,000		
FRANNIE—Marathon Pipeline Co.		1,435					1,435		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	17,531	111,055				19,703		105,298	3,585
GAGE—Glacier Pipeline Co.		207				207			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	11,276	46,397			726			49,434	7,513
GOOSE LAKE—Truck			28,214				28,214		
HIBBARD—Truck			586			586			
IVANHOE—Glacier Pipeline Co.		21,672				21,672			
KEG COULEE—									
Glacier Pipeline Co.		29,710				29,710			
KEVIN SUNBURST—									
Big West Oil Co.	2,973	41,428				39,352			5,049
Homestake Oil & Gas Co.	517	1,236		6,179		7,401			531
Texas Pipeline Co.	10,468	15,308			109			18,189	7,478
	13,958	57,972		6,179	109	46,753		18,189	13,058
LODGE GRASS—McWood Corp.			4,085			4,085			
LONE TREE—Truck			3,081				3,081		
MELSTONE—									
Glacier Pipeline Co.		2,645				2,645			
MOSSER—Truck			600				600		
MUSSELSHELL—Truck			191			191			
PONDERA—Phillips Petr. Co.	15,189	38,486		95,192	(13)	115,003			33,877
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	19,297	211,490			1,756			206,394‡	22,637
POLE CREEK—Truck			3,255				3,255		
RAGGED POINT—									
Glacier Pipeline Co.		7,772				7,772			
RED CREEK—									
Western Oil Transportation Co.		41,313			413			40,900	
SIDNEY-BRORSON									
McWood Corp.	10,177		3,399	4,344				12,985	4,935
SOAP CREEK—McWood Corp.	4,759		6,569	3,703		14,048			983
SPRING LAKE—Truck			13,728				13,728		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	417,980	137,877		57,781	2,934	133,666		55,275	421,763
WHITLASH AND WHITLASH WEST									
Truck			5,120			5,120			
Camerland Cardinal Corp.		11,534				2,363		9,171	
		11,534	5,120			7,483		9,171	
WOLF SPRINGS—									
Glacier Pipeline Co.		20,701				20,701			
WILDCAT WELLS—			1,730				1,730		
TOTALS	1,125,520	2,383,152	143,093	1,593,554	8,073	1,486,983	1,479,224	1,164,955	1,106,084

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF SEPTEMBER, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Texstar Petr. Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall				19,125						19,125
Blackfoot									3,914	3,914
Border				1,051						1,051
Bowes			6,829							6,829
Cat Creek		15,306				1,905				17,211
Cut Bank		192,408						104,031	96,318	392,757
Delphia						230				230
Devil's Basin						105				105
Dry Creek						101				101
Elk Basin		108,523		74,059	106,883					289,465
Fred & George Creek	19,703									19,703
Gage						4				4
Hibbard						547				547
Ivanhoe					21,672					21,672
Keg Coulee				29,710						29,710
Kevin Sunburst	46,753									46,753
Lodge Grass		4,085								4,085
Melstone				2,645						2,645
Pole Creek						418				418
Pondera		36,582						37,521		74,103
Ragged Point		7,772								7,772
Red Creek					40,900					40,900
Richey, Southwest						405	8,449			8,854
Soap Creek		14,048								14,048
Sumatra & Stensvad		48,105		85,561						133,666
Whitlash	6,783									6,783
Wolf Springs					20,630					20,630
Total Montana Oil	73,239	426,829	6,829	212,151	190,085	3,715	8,449	141,552	100,232	1,163,081
Canadian Oil Imported		317,766			13,504				2,027	333,297
Wyoming Oil Imported				479,168	787,116	2,395				1,268,679
Total Montana, Canadian, and Wyoming Oil	73,239	744,595	6,829	691,319	990,705	6,110	8,449	141,552	102,259	2,765,057

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
September, 1963	33,132	3,573	43,909	80,614
September, 1964	38,769	11,110	42,289	92,168

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1963	41.99%	5.53%	52.48%
September, 1963	41.10%	4.44%	54.46%
September, 1964	42.06%	12.06%	45.88%